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## Eva Regnier

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### Education

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Ph.D. in Economic Decision Analysis	August 2001
Dissertation: <i>Discounted Cash Flow Methods and Environmental Decisions</i>	
M.S. in Operations Research	August 1999
<b>Georgia Institute of Technology</b> , School of Industrial and Systems Engineering	
B.S. in Environmental Engineering Science	June 1992
<b>Massachusetts Institute of Technology</b>	

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### Current Position

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Assistant Professor of Decision Science	2001 – present
Defense Resources Management Institute	
<b>Naval Postgraduate School</b>	

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### Publications

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- Regnier, E.D. (2005) Oil and energy price volatility. In press. *Energy Economics*.
- Regnier, E.D. and Tovey, C.A. (2005) Time horizons of environmental vs. non-environmental costs: Evidence from U.S. tort lawsuits. In press. *Business Strategy and the Environment*.
- Regnier, E.D. (2005) Doing something about the weather. In press. *Omega: The International Journal of Management Science*.
- Regnier, E.D., Sharp, G.P. and Tovey, C.A. (2004) Asset replacement under continuous and ongoing technological progress. *IIE Transactions* 36(6), p. 497-508.
- Regnier, E.D. (1992) Trade Policy and the Environment: U.S.-Mexico Free Trade. *Journal of the Institute for Environmental Sciences* 35(2), p. 15.

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### Reviewed Proceedings

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- Regnier, E.D. and Harr, P.A. (2004) Assessment of the value of tropical cyclone track forecasts. *Preprints, 26th Conference on Hurricanes and Tropical Meteorology*, Miami, FL 3-7 May 2004.
- Realff, M.J. and Regnier, E.D. (1998) System effects in reverse production planning. *Meeting of The International Society for the Systems Sciences*, Atlanta, GA.
- Regnier, E.D. and Hoffman, W.F., III (1998) Uncertainty model for product environmental performance scoring. *Proceedings of the Institute of Electrical and Electronics Engineers International Symposium on Electronics and the Environment*, May 4-6, Oak Brook, IL, p. 207-212.

## Work in Progress

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- Regnier, E.D. and Harr, P.A. (2005) A dynamic decision model applied to hurricane landfall. Second review. *Weather and Forecasting*.
- Regnier, E.D. (2005) A reanalysis of katrina: Hurricane predictability vs. lead-time.
- Huntley, V., Regnier, E.D., Griffin, P.M., Griffin, S.O. (2005) A systematic review of the effectiveness of clinically and non-clinically delivered fluoride in preventing dental caries in adults.
- Regnier, E.D. (2005) Discounting benefits in defense cost-effectiveness analyses.
- Regnier, E.D. (2005) Valuation of commodity-contingent investments with correlated and mean-reverting prices.
- Regnier, E.D. (2005) Correlation of fuels and energy prices with macroeconomic variables.
- Regnier, E.D. (2005) Marginal analysis of multi-objective decision methods in the public sector.

## Recent Presentations

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- Regnier, E.D. and Harr, P.A. Forecasts and decision analysis for hurricane preparations. Naval Research Laboratory research seminar, Monterey, CA, October 27, 2005.
- Regnier, E.D. Marginal analysis of multi-objective decision methods in the public sector. International Federation of Operational Research Societies Triennial Meeting, Honolulu, July 11-16, 2005.
- Regnier, E.D. Input price dynamics and sustainability. Presented to Interface Research Corporation, June 23, 2005.
- Regnier, E.D. and Harr, P.A. Assessment of the value of tropical cyclone track forecasts. 26th Conference on Hurricanes and Tropical Meteorology, Miami, FL 3-7 May 2004.
- Olwell, D.H., Dell, R.F., Smith, D.A., Regnier, E.D. Environment cost modeling. Composite Group D: Army Modeling to Support Installation and Stationing Analyses, 72nd Military Operations Research Society Symposium, June 22-24, 2004.
- Regnier, E.D. and Wash, C. (2002) The value of meteorological services to the US Navy. International Federation of Operational Research Societies 16<sup>th</sup> Triennial Conference, Edinburgh, U.K., July 8-12, 2002.
- Regnier, E.D. (2002) Constraining environmental decision problems. Institute For Operations Research and the Management Sciences Annual Meeting, San Jose, CA, November 17-20, 2002.

## Funded Research

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- Principal Investigator, Evaluating Competing Models for Production Investment Valuation. US National Science Foundation Award # 0411930.
- Investigator, Optimization and Statistical Models for The Army Basing Study. The Army Basing Study, 2003-2005.
- U.S. Department of Energy Integrated Manufacturing Predoctoral Fellowship 1997-2000.
- Georgia Tech President's Scholarship 1996-2000.
- Achievement Rewards for College Scientists Foundation Scholarship 1998-2001.
- MIT Undergraduate Research Opportunities Program Funding: Public Service Center Fellowship, Summer 1990; Sea Grant Award, Spring 1990; Class of 1971 Award, Fall 1989.

## Other Awards

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- Awarded National Science Foundation Graduate Research Fellowship, 1997.
- Tau Beta Pi, National Engineering Honor Society.

## Other Professional Experience

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**Georgia Institute of Technology** October 1996 – August 2001  
Served as Graduate Research Assistant and Graduate Teaching Assistant and Instructor, and as the student representative to the search committee for the Anderson-Interface Chair of Natural Systems, School of ISyE, Georgia Tech.

**Motorola, Inc.** June – August 1997; June – August 1998, Schaumburg, IL  
Developed statistical methods for evaluating confidence limits for environmental performance scoring by Motorola proprietary software. Developed and tested methods for eliciting customer preferences for multi-attribute decisions. Researched data quality in state of the art Life Cycle Assessment databases and tools. Corporate Manufacturing Research Center, Environmental Technologies division.

**Groundwater Technology, Inc.** August 1994 – May 1996, Columbia, MD  
Responsible for engineering design, construction oversight, permitting and environmental compliance monitoring for in situ soil and groundwater remediation systems. Technologies included soil vapor and dual-phase extraction, hot-air injection and sparging, and a proprietary chromium remediation technology.

**Ecology and Environment, Inc.** October 1993 – July 1994, Arlington, VA  
Oil and Hazardous Substances Technical Assistance Team for U.S. Environmental Protection Agency. Conducted Oil Pollution Act facility inspections and reviewed facility response plans for oil storage facilities. Carried out EPA on-site responsible party oversight of CERCLA assessments and removals.

**Schlumberger, Ltd.** June 1993 – September 1993, Paris, France  
Researched and prepared report on European materials recovery industry, and prospective responses to and impacts of proposed European manufacturer take-back legislation for electronic products.

**Ecole Polytechnique** August 1992 – June 1993, Palaiseau, France  
Programme Jean Monnet  
Courses in European politics and culture, and internship at the French Commissariat à l'Energie Atomique conducting verification testing of a three-dimensional finite-element geochemistry/hydrology model.

**Massachusetts Institute of Technology** September 1989 – June 1992, Cambridge, MA  
Undergraduate Research Opportunity Program  
Department of Earth, Atmospheric and Planetary Sciences, with Professor Reginald Newell: Parsons Water Resources Laboratory, with Professor Sallie Chisholm

## Memberships and Affiliations

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- INFORMS Forum on Women in Operations Research and Management Science, Junior VP of Meetings
- INFORMS Decision Analysis Society, co-chair of student paper competition
- Institute of Industrial Engineers
- Big Sister in Big Brothers Big Sisters of Monterey County
- Tau Beta Pi, National Engineering Honor Society